

1653

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/393,441

DATE: 10/23/2000
TIME: 14:20:48

Input Set : A:\420c1.app
Output Set: N:\CRF3\10232000\I393441.raw

ENTERED

4 <110> APPLICANT: Anderson, Christen M.
5 Davis, Robert E.
6 Clevenger, William
7 Wiley, Sandra Eileen
8 Willer, Scott W.
9 Szabo, Tomas R.
10 Ghosh, Soumitra S.
11 Moos, Walter H.
12 Pei, Yazhong
14 <120> TITLE OF INVENTION: PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),
15 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR
17 <130> FILE REFERENCE: 660088.420C1
19 <140> CURRENT APPLICATION NUMBER: US 09/393,441
20 <141> CURRENT FILING DATE: 1999-09-08
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 894
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
31 <400> SEQUENCE: 1
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33 gtctccaaga ccgcggtcgc ccccatcgag aggggtcaaac tgctgctgca ggtccagcat 120
34 gccagcaaac agatcagtgc tgagaagcag tacaaaggga tcattgattg tgtggtgaga 180
35 atccctaagg agcagggctt cctctccttc tggaggggta acctggccaa cgtgatccgt 240
36 tacttcccca cccaagctct caacttcgcc ttcaaaggaca agtacaagca gctcttctta 300
37 gggggtgtgg atcggcataa gcagttctgg cgctactttg ctggtaacct ggcgtccggt 360
38 ggggcccgtg gggccacctc cctttgcttt gtctaccgcg tggactttgc taggaccagg 420
39 ttggctgctg atgtgggcag gcgcgcccag cgtgagttcc atggctctgg cgactgtatc 480
40 atcaagatct tcaagtctga tggcctgagg gggctctacc agggtttcaa cgtctctgtc 540
41 caaggcatca ttatctatag agctgcctac ttccgagttc atgatactgc caaggggatg 600
42 ctgcctgacc ccaagaacgt gcacattttt gtgagctgga tgattgcccc gagtgtgacg 660
43 gcagtcgcag ggctgctgtc ctaccccttt gacactgttc gtcgtagaat gatgatgcag 720
44 tccggccgga aaggggcccga tattatgtac acggggacag ttgactgctg gagggaagatt 780
45 gcaaaaagacg aaggagccaa ggccttcttc aaaggtgcct ggtccaatgt gctgagaggg 840
46 atgggcggtg cttttgtatt ggtgtgtgat gatgagatca aaaaatatgt ctaa 894
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 897
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapien
53 <400> SEQUENCE: 2
54 atgacagatg ccgcatgtgc cttcgccaag gacttcctgg cagggtggagt ggccgcagcc 60
55 atctccaaga ccgcggtagc gcccatcgag cgggtcaaagc tgctgctgca ggtgcagcat 120
56 gccagcaagc agatcactgc agataagcaa tacaaaggca ttatagactg cgtggtccgt 180
57 attcccaagg agcaggaagt tctgtccttc tggcgcggtg acctggccaa tgctatcaga 240
58 tacttcccca ccaggtctct taacttcgcc ttcaaagata aatacaagca gatcttcctg 300
59 ggtggtgtgg acaagagaac ccagttttgg cgctactttg cagggaatct ggcacgcggt 360

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60 ggtgccgcag gggccacatc cctgtgtttt gtgtaccctc ttgattttgc ccgtaccctt 420
61 ctagcagctg atgtgggtaa agctggagct gaaagggaat tccgaggcct cggtgactgc 480
62 ctggttaaga tctacaaatc tgatgggatt aagggcctgt accaaggctt taacgtgtct 540
63 gtgcagggta ttatcatcta ccgagccgcc tacttcggta tctatgacac tgcaaaggga 600
64 atgcttccgg atcccaagaa cactcacatc gtcatcagct ggatgatcgc acagactgtc 660
65 actgctgttg ccgggttgac ttctatcca tttgacaccg ttccgccgcg catgatgatg 720
66 cagtcaaggg gcaaaggaa tgacatcatg tacacaggca cgcttgactg ctggcggaag 780
67 attgctcgtg atgaaggagg caaagctttt ttcaaagggt catgggtcaa tgttctcaga 840
68 ggcatgggtg gtgcttttgt gcttgctctg tatgatgaaa tcaagaagta cacataa 897
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 897
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapien
75 <400> SEQUENCE: 3
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77 atctccaaga cggccgtggc tccgatcgag cgggtcaagc tgctgctgca ggtccagcac 120
78 gccagcaagc agatcgccgc cgacaagcag tacaagggca tcgtggactg cattgtccgc 180
79 atccccaagg agcagggcgt gctgtccttc tggaggggca accttgccaa cgtcattcgc 240
80 tacttcccca ctcaagccct caacttcgcc ttcaaaggata agtacaagca gatcttctg 300
81 gggggcgctg acaagcacac gcagtcttgg aggtactttg cgggcaacct ggcctccggc 360
82 ggtgcggccg gcgcgacctc cctctgcttc gtgtaccgcg tggattttgc cagaaccgcg 420
83 ctggcagcgg acgtgggaaa gtcaggcaca gagcgcgagt tccgaggcct gggagactgc 480
84 ctggtgaaga tcaccaagtc cgacggcatc cggggcctgt accagggtt cagtgtctcc 540
85 gtgcagggca tcatcatcta ccgggcggcc tacttcggcg tgtacgatac ggccaagggc 600
86 atgctccccc accccaagaa cacgcacatc gtggtgagct ggatgatcgc gcagaccgtg 660
87 acggccgtg ccggcggtgt gtctacccc ttcgacacgg tcggcgcgcg catgatgatg 720
88 cagtccgggc gcaaaggagc tgacatcatg tacacgggca ccgtcgactg ttggagggaag 780
89 atcttcagag atgagggggg caaggccttc ttcaaagggt cgtgggtcaa cgtcctgcgg 840
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93 <211> LENGTH: 43
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: PCR Primer
100 <400> SEQUENCE: 4
101 ttatatctcg agtatgggtg atcacgcttg gagcttccta aag 43
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: PCR Primer
111 <400> SEQUENCE: 5
112 tatataggtg ccttagacat attttttgat ctcatcatc aac 43
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 43
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence

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119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 6
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125 <210> SEQ ID NO: 7
126 <211> LENGTH: 43
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128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 7
134   tatataggta ccttatgtgt accttcttgat ttcatacatc aag      43
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 43
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR Primer
144 <400> SEQUENCE: 8
145   ttatatctcg agtatgacgg aacaggccat ctccttcgcc aaa      43
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR Primer
155 <400> SEQUENCE: 9
156   tatataggta ccttagagtc accttcttga gtcgctcgta cagg      44
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Sequence primer
166 <400> SEQUENCE: 10
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170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Sequence primer
177 <400> SEQUENCE: 11
178   cgccaaaaca gccaaagct      18
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 45
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:

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186 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
188 <400> SEQUENCE: 12
189 ggagatggcc tgttccgtca tcttatcgtc atcgctgtac agatc           45
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192 <211> LENGTH: 45
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
199 <400> SEQUENCE: 13
200 gatctgtacg acgatgacga taagatgacg gaacaggcca tctcc         45
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203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
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210 <400> SEQUENCE: 14
211 cccggggaat tctgatgacg gaacaggcca tctcc           35
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
222 cccgggctcg agttagatc accttcttga gctc           34
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226 <212> TYPE: DNA
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229 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR primer
232 <400> SEQUENCE: 16
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235 <210> SEQ ID NO: 17
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237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
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241 <223> OTHER INFORMATION: PCR primer
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247 <211> LENGTH: 18
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing primer

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254 <400> SEQUENCE: 18
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265 <400> SEQUENCE: 19
266   acttcaagga gaatttcc                               18
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269 <211> LENGTH: 18
270 <212> TYPE: DNA
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273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequencing primer
276 <400> SEQUENCE: 20
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280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequencing primer
287 <400> SEQUENCE: 21
288   tacggccaag ggcattct                               18
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 18
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Sequencing primer
298 <400> SEQUENCE: 22
299   tgaagcggaa gttcctat                               18
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 18
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Sequencing primer
309 <400> SEQUENCE: 23
310   atgccgggtc ccgtacga                               18
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
320 <400> SEQUENCE: 24

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VERIFICATION SUMMARY DATE: 10/23/2000
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